



PRODUCT-DETAILS

EN40-40N-04

EN40-40N-04 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 110 V - Control Circuit 400 Hz



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | EN40-40N-04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 1SAE342111R0440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAN                   | 4013614518751                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Catalog Description   | EN40-40N-04 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 110 V - Control Circuit 400 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Long Description      | <p>The EN40..N installation contactors are used to control single and three-phase loads up to 40 A and can be operated by AC or DC and/or manually. These contactors are made for use in household applications as well as in industrial environments.</p> <p>The following benefits are provided:</p> <p>Hum-free operation, low power consumption, integrated overvoltage protection and manual override.</p> <p>Various contact combinations and accessories are available.</p> <p>Manual operation is available in 3 states: "On", "Off", "Auto"</p> |

| Ordering               |               |
|------------------------|---------------|
| Package Level 1 EAN    | 4013614525063 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85365080      |

| Popular Downloads                 |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC103051C0201 |
| Instructions and Manuals          | 2CDC103043M6801 |
| CAD Dimensional Drawing           | 2CDC001079B0201 |

| Dimensions                 |         |
|----------------------------|---------|
| Product Net Width          | 54 mm   |
| Product Net Height         | 85 mm   |
| Product Net Depth / Length | 65 mm   |
| Product Net Weight         | 0.41 kg |

| Technical                                           |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Voltage                           | Main Circuit 220 V DC<br>Main Circuit 400 V AC                                                                                                                                                                                                                                                                                   |
| Rated Control Circuit Voltage (U <sub>c</sub> )     | 110 V                                                                                                                                                                                                                                                                                                                            |
| Rated Frequency (f)                                 | Control Circuit 400 Hz<br>Control Circuit 50 Hz<br>Control Circuit 60 Hz<br>Control Circuit DC<br>Main Circuit 50 Hz<br>Main Circuit 60 Hz<br>Main Circuit DC                                                                                                                                                                    |
| Rated Operational Current AC-1 (I <sub>e</sub> )    | (NO) 40 A                                                                                                                                                                                                                                                                                                                        |
| Rated Operational Current AC-3 (I <sub>e</sub> )    | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                    |
| Rated Operational Power AC-1 (P <sub>e</sub> )      | (230 V) Single Phase, NO 9.2 kW<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                               |
| Rated Operational Power AC-3 (P <sub>e</sub> )      | (230 V) Single Phase, NO 3.7 kW<br>(400 V) Three Phase, NO 11 kW                                                                                                                                                                                                                                                                 |
| Rated Operational Current AC-7a (I <sub>e</sub> )   | (NO) 40 A                                                                                                                                                                                                                                                                                                                        |
| Rated Operational Power AC-7a (P <sub>e</sub> )     | (230 V) Single Phase, NO 9.2 kW<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                               |
| Rated Operational Current AC-7b (I <sub>e</sub> )   | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                    |
| Rated Operational Power AC-7b (P <sub>e</sub> )     | (230 V) Single Phase, NO 3.7 kW<br>(400 V) Three Phase, NO 11 kW                                                                                                                                                                                                                                                                 |
| Recommended Screw Driver                            | Control Circuit Pozidriv 1<br>Main Circuit Pozidriv 2                                                                                                                                                                                                                                                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 4 kV                                                                                                                                                                                                                                                                                                                             |
| Rated Insulation Voltage (U <sub>i</sub> )          | 500 V                                                                                                                                                                                                                                                                                                                            |
| Connecting Capacity Main Circuit                    | Flexible with Ferrule 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Ferrule 2x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 1.5 ... 10 mm <sup>2</sup><br>Flexible 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible 2x 1.5 ... 10 mm <sup>2</sup> |

|                                        |                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | Rigid 1x 1.5 ... 25 mm²<br>Rigid 2x 1.5 ... 10 mm²                                                                                                                                           |
| Connecting Capacity                    | Flexible with Ferrule 1x 1 ... 2.5 mm²<br>Flexible with Ferrule 2x 0.75 ... 1.5 mm²<br>Flexible with Insulated Ferrule 1x 1 ... 2.5 mm²<br>Flexible with Insulated Ferrule 2x 0.75 ... 1 mm² |
| Control Circuit                        | Flexible 1x 1 ... 2.5 mm²<br>Flexible 2x 1 ... 1.5 mm²<br>Rigid 1x 1 ... 4 mm²<br>Rigid 2x 1 ... 2.5 mm²                                                                                     |
| Tightening Torque                      | Control Circuit 0.9 N·m<br>Main Circuit 2.5 N·m                                                                                                                                              |
| Wire Stripping Length                  | Control Circuit 7 mm<br>Main Circuit 13 mm                                                                                                                                                   |
| Degree of Protection                   | IP20                                                                                                                                                                                         |
| Electrical Durability                  | AC-1 (NO) 150000 cycle<br>AC-3 (NO) 100000 cycle<br>AC-7a (NO) 150000 cycle<br>AC-7b (NO) 100000 cycle                                                                                       |
| Mechanical Durability                  | 1000000 cycle                                                                                                                                                                                |
| Number of Poles                        | 4                                                                                                                                                                                            |
| Number of Auxiliary<br>Contacts NC     | 0                                                                                                                                                                                            |
| Number of Auxiliary<br>Contacts NO     | 0                                                                                                                                                                                            |
| Number of Main<br>Contacts NC          | 0                                                                                                                                                                                            |
| Number of Main<br>Contacts NO          | 4                                                                                                                                                                                            |
| Width in Number of<br>Modular Spacings | 3                                                                                                                                                                                            |
| Pollution Degree                       | 3                                                                                                                                                                                            |
| Standards                              | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 61095<br>UL 60947-1<br>UL 60947-4-1                                                                                                             |

Environmental

|                                               |                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------|
| Ambient Air<br>Temperature                    | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C                     |
| Maximum Operating<br>Altitude Permissible     | 2000 m                                                                 |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 11 ms Pulse 15g                                                        |
| RoHS Status                                   | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Material Compliance

|                                                   |                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                                 | 2CMT2021-006202                                                        |
| RoHS Information                                  | 2CMT2021-006277                                                        |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006525                                                        |
| WEEE B2C / B2B                                    | Business To Consumer                                                   |
| WEEE Category                                     | 5. Small Equipment (No External Dimension More Than 50 cm)             |

| Certificates and Declarations       |                     |
|-------------------------------------|---------------------|
| CB Certificate                      | 1SAA920005-2001     |
| CQC Certificate                     | CQC2017010304993562 |
| Declaration of<br>Conformity - CCC  | 2020980304001310    |
| Declaration of<br>Conformity - CE   | 1SAD101100-3301     |
| Declaration of<br>Conformity - UKCA | 1SAD201100-3301     |
| EAC Certificate                     | 1SAA920001-2702     |
| NF Certificate                      | 1SAA920001-1202     |
| RMRS Certificate                    | 1SAA920000-0705     |

| Container Information             |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 92 mm         |
| Package Level 1 Height            | 69.5 mm       |
| Package Level 1 Depth /<br>Length | 57 mm         |
| Package Level 1 Gross<br>Weight   | 0.41 kg       |
| Package Level 1 EAN               | 4013614525063 |
| Package Level 2 Units             | 32 piece      |
| Package Level 2 Width             | 280 mm        |
| Package Level 2 Height            | 210 mm        |
| Package Level 2 Depth /<br>Length | 395 mm        |
| Package Level 2 Gross<br>Weight   | 13.5 kg       |
| Package Level 2 EAN               | 4013614539466 |

| Classifications                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Object Classification<br>Code         | Q                                                        |
| ETIM 5                                | EC001653 - Installation contactor for distribution board |
| ETIM 6                                | EC001653 - Installation contactor for distribution board |
| ETIM 7                                | EC001653 - Installation contactor for distribution board |
| eClass                                | V11.0 : 27142308                                         |
| UNSPSC                                | 39121529                                                 |
| IDEA Granular Category<br>Code (IGCC) | 4759 >> Installation contactor for distribution board    |
| ETIM 8                                | EC001653 - Installation contactor for distribution board |

Accessories

| Identifier      | Description                                                        | Type         | Quantity | Unit Of Measure |
|-----------------|--------------------------------------------------------------------|--------------|----------|-----------------|
| 1SAE901901R1011 | EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz | EH04-11N     | 1        | piece           |
| 1SAE901901M1011 | EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz | EH04-11N     | 1        | piece           |
| 1SAE901901R1020 | EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz | EH04-20N     | 1        | piece           |
| 1SAE901901M1020 | EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz | EH04-20N     | 1        | piece           |
| GHE3401903R0001 | ESB-PLK40/63 Sealing Cover                                         | ESB-PLK40/63 | 1        | piece           |
| GHE3201902R0001 | ESB-DIS Distance Piece                                             | ESB-DIS      | 1        | piece           |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Installation Contactors

Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Installation Contactors

